SECTION C

This document covers thermostabilized pork sausage in cream gravy packaged in a polymeric tray for use by the Department of Defense as a component of operational rations.

C-1 ITEM DESCRIPTION

PCR-P-014A, PORK SAUSAGE IN CREAM GRAVY, PACKAGED IN A POLYMERIC TRAY, SHELF STABLE

C-2 PERFORMANCE REQUIREMENTS

- A. <u>Product standard</u>. A sample shall be subjected to first article or product demonstration model inspection as applicable, in accordance with the tests and inspections of Section E of this Performance-based Contract Requirements document.
- B. Commercial sterility. The packaged food shall be processed until commercially sterile.
- C. Shelf life. The packaged product shall meet the minimum shelf life requirement of 36 months at 80°F .

D. Appearance.

- (1) <u>General</u>. The finished product shall be ground pork sausage in cream gravy. The packaged food shall be free from foreign materials.
- (2) <u>Ground pork sausage</u>. The ground pork sausage shall be from pork typically produced by a 1/2 inch plate machine setting. The ground pork sausage shall be practically free of bone or bone fragments, cartilage, coarse connective tissue, tendons or ligaments, and glandular material. The sausage shall have a cooked ground pork sausage color.
- (3) <u>Cream gravy</u>. The cream gravy shall have a light tan to cream color and may contain visible flecks of herbs and spices.

E. Odor and flavor.

- (1) <u>General</u>. The ground pork sausage shall have an odor and flavor typical of ground pork sausage in seasoned cream gravy. The packaged food shall be free from foreign odors and flavors.
- (2) <u>Gravy</u>. The gravy shall have the odor and flavor of cream gravy seasoned with herbs and <u>spices</u>.

F. Texture.

- (1) <u>Ground pork sausage</u>. The ground pork sausage shall be moist and tender.
- (2) Cream gravy. The cream gravy shall be smooth.
- G. $\underline{\text{Viscosity}}$. The viscosity of the gravy shall be not less than 3.5 cm per ten seconds or not greater than 8.0 cm per ten seconds.
- H. <u>Net weight</u>. The average net weight shall be not less than 93 ounces. No individual polymeric tray shall have a net weight of less than 91 ounces.

- I. <u>Drained weight</u>. The average drained weight shall be not less than 30.0 ounces. The drained weight of the ground pork sausage in an individual polymeric tray shall be not less than 28.0 ounces.
- J. <u>Palatability</u> and overall appearance. The finished product shall be equal to or better than the approved product standard in palatability and overall appearance.
 - K. Analytical requirements.
 - (1) Fat content. The fat content shall be not greater than 10.0 percent.
- (2) <u>Salt content</u>. The salt content shall be not less than 0.7 percent and not greater than 1.3 percent.

C-3 MISCELLANEOUS INFORMATION

THE FOLLOWING IS PROVIDED FOR INFORMATION ONLY TO PROVIDE THE BENEFIT OF PAST GOVERNMENT EXPERIENCE. THIS IS NOT A MANDATORY REQUIREMENT.

A. <u>Ingredients/formulation</u>. Ingredients and formulation percentages for the cream gravy may be as follows:

Ingredients	Percent by weight
Water	82.21
Modified high opacity Starch	6.00
Dry cream	6.00
Powdered vegetable shortening	3.25
Granulated sugar	1.20
Salt 1/	1.00
Ground sage	0.09
Ground white pepper	0.08
Ground ginger	0.07
Ground thyme	0.06
Ground nutmeg	0.04

- $\underline{1}/$ The total amount of salt in the formula may be adjusted as necessary to produce a product that complies with the finished product salt requirement.
- B. <u>Ingredients/formulation</u>. Ingredients and formulation percentages for the ground pork sausage may be as follows:

Ingredient	Percent by Weight		
Ground pork	97.68		
Salt	1.70		
Ground white pepper	0.20		
Ground sage	0.12		
Ground ginger	0.12		
Ground nutmeg	0.06		
Ground red pepper	0.06		
Ground thyme	0.06		

C. Blanching and filling process. Blanching of the pork sausage mixture to approximately 70 percent yield and a fill ratio of 60 percent gravy and 40 percent

blanched pork mixture has been found to be adequate in complying with the finished product.

SECTION D

D-1 PACKAGING

- A. <u>Preservation</u>. Product shall be filled into polymeric trays and the trays with protective sleeves shall conform to the requirements of section 3 of MIL-PRF-32004, Packaging of Food in Polymeric Trays. Verification testing and inspection of trays, lids and sleeves shall be in accordance with Section 4 of MIL-PRF-32004 and the Quality Assurance Provisions of Section E of this Performance-based Contract Requirements document.
- B. Polymeric tray closure. The filled, sealed, and processed tray shall be securely closed.

D-2 LABELING

A. <u>Polymeric tray body</u>. One side of each polymeric tray shall be clearly printed or stamped, in a manner that does not damage the tray, with permanent ink of any contrasting color, which is free of carcinogenic elements. To avoid erroneous marking of trays, the product name, lot number and filling equipment number shall be applied prior to processing. All other tray marking may be applied before or after processing. If these markings are applied along the tray body side (see figure 1 of MIL-PRF-32004), or if applied along the tray body end, are not readily legible in low light conditions, a small, easily legible label detailing product name and number of portions shall be applied along one tray body end, but not over any existing tray markings. 1/

Tray body markings shall include:

- (1) Product name. Commonly used abbreviations may be used when authorized by the inspection agency.
- (2) Tray code includes: 2/
 Lot Number
 Filling equipment identification number
 Retort identification number
 Retort cook number
- $\underline{1}/$ As an alternate method, tray body markings may be clearly printed or stamped onto the polymeric tray lid prior to processing, in a manner that does not damage the lid, with permanent ink of any contrasting color, which is free of carcinogenic elements, provided that the required markings are applied onto the tray body after processing.
- 2/ The lot number shall be expressed as a four digit Julian code. The first digit shall indicate the year of production and the next three digits shall indicate the day of the year (Example, 11 October 2000 would be coded as 0263). The Julian code shall represent the day the product was packaged into the tray and processed. Sublotting (when used) shall be represented by an alpha character immediately following the four digit Julian code. Following the four digit Julian code and the alpha character (when used), the other required code information shall be printed in the sequence as listed above.
- B. <u>Polymeric tray lid</u>. The lid shall be clearly printed or stamped, in a manner that does not cause damage. Permanent ink of any contrasting color, which is free of

carcinogenic elements, shall be used. As an alternate labeling method, a pre-printed self-adhering 0.002 inch thick clear polyester label printed with indelible contrasting color ink may be used.

(1) Lid labeling shall include:
 Product name
 Ingredients
 Net weight
 Name and address of packer
 Official establishment number (for example, EST 38) or a three letter code identifying the establishment

(2) Lid labeling shall also show the following statements:

TO HEAT IN WATER: Submerge unopened tray in water. Bring water to a boil. Simmer gently $\frac{40-45}{35-40}$ minutes. Avoid overheating (tray shows evidence of bulging).

WARNING: Do not heat tray in oven.

TO TRANSPORT AFTER HEATING: Insert tray back into protective sleeve to protect during transport. If sleeve is unavailable, stack trays lid-to-lid with fiberboard pads in between.

<u>CAUTION</u>: Use care when opening as pressure may have been generated within the tray.

TO OPEN: Using a clean knife, cut the lidding around the inside perimeter of the tray seals.

SUGGESTION: Cut lid along 3 sides and fold over uncut portion. Fold back to keep unused portions protected.

YIELD: Serves 18 portions of approximately 2/3 cup each.

D-3 PACKING

A. <u>Packing for shipment to ration assembler</u>. Four filled, sealed, processed and sleeved polymeric trays shall be packed in a snug fitting fiberboard box conforming to style RSC-L, type CF, grade 275 of ASTM D 5118, Standard Practice for Fabrication of Fiberboard Shipping Boxes. The sleeved trays shall be placed flat with the first two trays placed with the lids together and the next two trays with the lids together. The box shall be closed in accordance with ASTM D 1974, Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Shipping Containers.

D-4 UNITIZATION

A. <u>Unit loads</u>. Unit loads shall be as specified in DSCP FORM 3507, Loads, Unit: Preparation of Semiperishable Subsistence Items.

D-5 MARKING

A. <u>Shipping containers and unit loads</u>. Marking of shipping containers and unit loads shall be as specified in DPSC FORM 3556 Marking Instructions for Shipping Cases, Sacks and Palletized/Containerized Loads of Perishable and Semiperishable Subsistence.

SECTION E INSPECTION AND ACCEPTANCE

The following quality assurance criteria, utilizing ANSI/ASQC Z1.4-1993, Sampling Procedures and Tables for Inspection by Attributes, are required. When required, the manufacturer shall provide the certificate(s) of conformance to the appropriate inspection activity. Certificate(s) of conformance not provided shall be cause for rejection of the lot.

A. Definitions.

- (1) <u>Critical defect</u>. A critical defect is a defect that judgment and experience indicate would result in hazardous or unsafe conditions for individuals using, maintaining, or depending on the item; or a defect that judgment and experience indicate is likely to prevent the performance of the major end item, i.e., the consumption of the ration.
- (2) $\underline{\text{Major defect}}$. A major defect is a defect, other than critical, that is likely to result in failure, or to reduce materially the usability of the unit of product for its intended purpose.
- (3) Minor defect. A minor defect is a defect that is not likely to reduce materially the usability of the unit of product for its intended purpose, or is a departure from established standards having little bearing on the effective use or operation of the unit.
- B. <u>Classification of inspections</u>. The inspection requirements specified herein are classified as follows:
- (1) <u>Product standard inspection</u>. The first article or product demonstration model shall be inspected in accordance with the provisions of this Performance-based Contract Requirements document and evaluated for overall appearance and palatability. Any failure to conform to the performance requirements or any appearance or palatability failure shall be cause for rejection of the lot.
- (2) <u>Conformance inspection</u>. Conformance inspection shall include the examinations and the methods of inspection cited in this section.

E-5 QUALITY ASSURANCE PROVISIONS (PRODUCT)

A. <u>Product examination</u>. The finished product shall be examined for compliance with the performance requirements specified in Section C of this Performance-based Contract Requirements document utilizing the double sampling plans indicated in ANSI/ASQC Z1.4 - 1993. The lot size shall be expressed in trays. The sample unit shall be the contents of one tray. The inspection level shall be S-3 and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 4.0 for major defects and 6.5 for minor defects. Defects and defect classifications are listed in Table I below. The trays shall be heated in accordance with the heating instructions from the tray label prior to conducting any portion of the product examination. The samples for drained weight inspection shall be selected using the same sampling criteria as above.

TABLE I. Product defects $\frac{1}{2}$ $\frac{2}{3}$			
Category		Defect	
<u>Major</u>	Minor	Appearance	
101		Bone or bone fragment measuring more than 0.3 inch in any dimension.	
	201	Cream gravy not a light tan to cream.	
	202	Total weight of cartilage, coarse connective tissue, tendons or ligaments, and glandular material is more than 1.0 ounce.	
		Odor and flavor	
102		The packaged food does not have an odor or flavor of pork sausage in seasoned cream gravy.	
103		The gravy does not have the odor or flavor of cream gravy seasoned with herbs and spices.	
		<u>Texture</u>	
	203	Ground pork sausage not moist or not tender.	
	204	Cream gravy not smooth.	
		Net weight	
	205	The net weight of an individual polymeric tray is less than 91 ounces. $\underline{4}/$	
		Drained weight	
	206	The drained weight of pork sausage in an individual polymeric tray is less than 28.0 ounces. $\underline{5}/$	

 $[\]underline{1}/$ The presence of any foreign material such as but not limited to, dirt, insect parts, hair, wood, glass, metal, or mold or the presence of any foreign odors or flavors such as, but not limited to burnt, scorched, rancid, sour, or stale shall be cause for rejection of the lot.

^{2/} Finished product not equal to or better than the approved product standard in palatability and overall appearance shall be cause for rejection of the lot.

^{3/} Grinder size requirement for pork sausage shall be verified by certificate of conformance.

- 4/ Sample average net weight less than 93 ounces shall be cause for rejection of the lot.
- $\underline{5}$ / Sample average drained weight of pork sausage less than 30.0 ounces shall be cause for rejection of the lot.

B. Methods of inspection.

- (1) <u>Commercial sterility</u>. Commercial sterility shall be verified in accordance with USDA/FSIS regulations.
- (2) Shelf life. The contractor shall provide a certificate of conformance that the product has a 3 year shelf life when stored at $80^{\circ}F$. Government verification may include storage for 6 months at $100^{\circ}F$ or 36 months at $80^{\circ}F$. Upon completion of either storage period, the product will be subjected to a sensory evaluation panel for appearance and palatability and must receive an overall score of 5 or higher based on a 9 point hedonic scale to be considered acceptable.
- (3) <u>Net weight</u>. The net weight of the filled and sealed tray shall be determined by weighing each sample unit on a suitable scale tared with a representative empty tray and lid or cover. Results shall be reported to the nearest 1 ounce.
- (4) <u>Drained weight</u>. The free liquid in each tray shall be poured off, strained through a <u>U.S. Standard No.</u> 8 sieve, and each free liquid sample shall be reserved for viscosity determinations. The remaining contents of the tray shall be poured into a flat bottom container. The remaining contents of the tray shall be poured into a flat bottom container. A minimum of three times the tray's volume of 140° to 190°F water shall be added to the container so as to cover the contents. The contents and water shall be agitated so as to fully dissolve the gravy without undue breakup of the meat pieces. The contents shall then be poured into a U.S. Standard No. 8 sieve in a manner that will distribute the product evenly over the sieve. Sieve area shall be such that the distributed product does not completely cover all the openings of the sieve. The sieve shall be tilted at such an angle to assure complete drainage of liquid from the product. Drain product for 2 minutes before determining the drained weight by subtracting the sieve tare weight from the gross weight. The drained weight shall be reported to the nearest 0.5 ounce.
- (5) <u>Gravy viscosity</u>. Viscosity testing using a Bostwick Consistometer shall be performed on each of the free liquid samples collected (see B, (4) Drained weight test). The gravy shall be heated to 100^{0}F $\pm 1^{0}\text{F}$. Any result not conforming to the requirements specified in Section C of this Performance-based Contract Requirements document shall be cause for rejection of the lot.
- (6) <u>Analytical</u>. The sample to be analyzed shall be a composite of three filled and sealed polymeric trays which have been selected at random from the lot. The composited sample shall be prepared (see NOTE) and analyzed in accordance with the following methods of the Official Methods of Analysis of AOAC International:

Test	Method Number
Fat	985.15
Salt	935.47

Test results shall be reported to the nearest 0.1 percent. Any nonconforming results shall be cause for rejection of the lot.

NOTE: The USDA will use AOAC method 983.18 for preparation of the sample.

E-6 QUALITY ASSURANCE PROVISIONS (PACKAGING AND PACKING MATERIALS, POLYMERIC TRAY)

A. Packaging and labeling.

(1) <u>Polymeric tray testing</u>. For purposes of clarification, the polymeric tray without the lid will be referred to as the "tray" and the polymeric tray with the lid shall be referred to as the "container". The polymeric tray with protective sleeve and polymeric tray material shall be examined for the characteristics listed in table I of MIL-PRF-32004, Packaging of Food in Polymeric Trays. The lot size, sample unit, and inspection level criteria are provided in table II below for each of the test characteristics. Any test failure shall be classified as a major defect and shall be cause for rejection of the lot. For rough handling survivability at frozen temperature, polymeric tray survival rate shall be at least 85 percent.

TABLE II. Polymeric tray quality assurance criteria

Prior to processing Characteristic Lot size Sample Inspection expressed in unit level Tray configurations and dimensions Trays 1 tray S-1 Oxygen gas transmission rate of tray 1 tray S-1 Trays Oxygen gas transmission rate of lid Yards 1/2 yard S-1 Water vapor transmission rate of tray Trays 1 tray S-1 Water vapor transmission rate of lid Yards 1/2 yard S-1 Containers 1 container S-1 Camouflage

After processing				
Characteristic	Lot size expressed in	Sample unit	Inspection level	
Processing	Trays	1 tray	S-2	
Rough handling survivability	Test containers	1 container	S-2	
Protective sleeve	Containers	1 container	S-1	
Residual gas	Containers	1 container	S-1	
Closure seal	Containers	1 container	S-1	
Internal pressure	Containers	1 container	S-1	
Lid opening	Containers	1 container	S-1	

(2) Examination of container. The container with protective sleeve removed shall be examined for the defects listed in table II of MIL-PRF-32004 and the labeling defects listed in table III below. The lot size shall be expressed in containers. The sample unit shall be one processed and labeled container. The inspection level shall be I and the AQL, expressed in terms of defects per hundred units, shall be 0.65 for major A defects, 2.5 for major B defects and 4.0 for minor defects. Two hundred sample units shall be examined for critical defects. The finding of any critical defect shall be cause for rejection of the lot.

TABLE III. Container labeling defects

Category		Defect
Major A 101	Minor	Polymeric tray lid or body labeling missing, incorrect or illegible.
	201	When a pre-printed self adhering label is used, the label not adhering to tray lid (for example, label raised or peeled back from edge to corner) or presence of any areas of gaps along the perimeter of the label where the label is not properly adhered.

B. Packing.

(1) Shipping container and marking examination. The filled and sealed shipping containers shall be examined for the defects listed in table IV below. The lot size shall be expressed in shipping containers. The sample unit shall be one shipping container fully packed. The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 4.0 for major defects and 10.0 for total defects.

TABLE IV. Shipping container and marking defects

Category		Defect
Major 101	Minor	Marking omitted, incorrect, illegible, or improper size, location sequence or method of application.
102		Inadequate workmanship. $\underline{1}/$
	201	Arrangement or number of polymeric trays not as specified.

 $\underline{1}$ / Inadequate workmanship is defined as, but not limited to, incomplete closure of container flaps, loose strapping, inadequate stapling, improper taping, or bulged or distorted container.

C. Unitization.

(1) <u>Unit load examination</u>. The unit load shall be examined in accordance with the requirements of DSCP Form 3507, Loads, Unit: Preparation of Semiperishable Subsistence Items. Any nonconformance shall be classified as a major defect and shall be cause for rejection of the lot.

SECTION J REFERENCE DOCUMENTS

DSCP FORMS

DSCP FORM 3507 Loads, Unit: Preparation of Semiperishable Subsistence Items DPSC FORM 3556 Marking Instructions for Shipping Cases, Sacks and

Palletized/Containerized Loads of Perishable and Semiperishable Subsistence

MILITARY SPECIFICATIONS

MIL-PRF-32004 Packaging of Food in Polymeric Trays

GOVERNMENT PUBLICATIONS

Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder (21 CFR Parts 1-199) and (9 CFR Parts 1-391)

NON-GOVERNMENTAL STANDARDS

AMERICAN SOCIETY FOR QUALITY (ASQ)

ANSI/ASQCZ1.4-1993 Sampling Procedures and Tables for Inspection by Attributes
AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- D 1974 Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Shipping Containers
- D 5118 Standard Practice for Fabrication of Fiberboard Shipping Boxes

AOAC INTERNATIONAL Official Methods of Analysis of the AOAC International

AMSSB-RCF-FN (Valvano/4259)

6 March 2003

TO: DSCP-HRUT (Charya/3832)

Subject: (ES03-068) Document Changes; Various Polymeric Entrees; Reduction of Heating times from 40-45 minutes to 35-40 minutes

- 1. Natick reviewed several polymeric entrees with regard to reheating times. Some components such as creamed ground beef or pork sausage in gravy may not need the longer heating time period.
- 2. The polymeric items involved are:

Pasta & Italian Sausage, Polymeric Tray Eggs, Scrambled, Polymeric Tray Chicken Chow Mein, Polymeric Tray PCR-C-010 Lasagna w/Meat Sauce, Polymeric Tray PCR-L-003 Beef Chunks w/Noodles in Sauce, Polymeric Tray PCR-B-023A PCR-B-023A PCR-B-028A PCR-B-028A Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A Chili with Beans, Polymeric Tray PCR-C-034A POR-C-034A POR-P-014A POR-P-014A POR-P-014A POR-P-014A POR-P-014A POR-B-02B POR-B-02B POR-C-034A POR-C-034A POR-B-02B POR-P-014A POR-P-014A POR-P-014A POR-B-02B POR-C-040 POR-B-02B Mashed Potatoes w/Gravy, Polymeric Tray POR-B-02B POR-B-0	Eggs, Scrambled, Western-style, Polymeric Tray	PCR-E-006	9 Apr 01
Chicken Chow Mein, Polymeric Tray PCR-C-010 18 Dec 00 Lasagna w/Meat Sauce, Polymeric Tray PCR-L-003 6 Dec 00 Beef Chunks w/Noodles in Sauce, Polymeric Tray PCR-B-023A 11 Oct 00 Bread Stuffing, Polymeric Tray PCR-B-028A 12 Oct 00 Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A 12 Oct 00 Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-B-024 24 May 00 Beef Stew, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Pasta & Italian Sausage, Polymeric Tray	PCR-P-017	14 Feb 01
Lasagna w/Meat Sauce, Polymeric Tray PCR-L-003 6 Dec 00 Beef Chunks w/Noodles in Sauce, Polymeric Tray PCR-B-023A 11 Oct 00 Bread Stuffing, Polymeric Tray PCR-B-028A 12 Oct 00 Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A 12 Oct 00 Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-B-024 24 May 00 Beef Stew, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Eggs, Scrambled, Polymeric Tray	PCR-E-005	11 Jan 01
Beef Chunks w/Noodles in Sauce, Polymeric Tray PCR-B-023A 11 Oct 00 Bread Stuffing, Polymeric Tray PCR-B-028A 12 Oct 00 Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A 12 Oct 00 Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Chicken Chow Mein, Polymeric Tray	PCR-C-010	18 Dec 00
Bread Stuffing, Polymeric Tray PCR-B-028A 12 Oct 00 Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A 12 Oct 00 Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Lasagna w/Meat Sauce, Polymeric Tray	PCR-L-003	6 Dec 00
Chicken w/Vegetables Teriyaki, Polymeric Tray PCR-C-033A 12 Oct 00 Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Beef Chunks w/Noodles in Sauce, Polymeric Tray	PCR-B-023A	11 Oct 00
Chili with Beans, Polymeric Tray PCR-C-034A 12 Oct 00 Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Bread Stuffing, Polymeric Tray	PCR-B-028A	12 Oct 00
Pork Sausage in Cream Gravy, Polymeric Tray PCR-P-014A 11 Oct 00 Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Chicken w/Vegetables Teriyaki, Polymeric Tray	PCR-C-033A	12 Oct 00
Cream Gravy w/Ground Beef, Polymeric Tray PCR-C-040 20 Jun 00 Beef Stew, Polymeric Tray PCR-B-024 24 May 00 Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Chili with Beans, Polymeric Tray	PCR-C-034A	12 Oct 00
Beef Stew, Polymeric Tray Mashed Potatoes w/Gravy, Polymeric Tray Omelet w/Smoked Sausage, Polymeric Tray Chicken Breast in Gravy, Polymeric Tray PCR-B-024 PCR-M-007 12 Apr 00 12 Apr 00 PCR-O-032 29 Nov 99	Pork Sausage in Cream Gravy, Polymeric Tray	PCR-P-014A	11 Oct 00
Mashed Potatoes w/Gravy, Polymeric Tray PCR-M-007 12 Apr 00 Omelet w/Smoked Sausage, Polymeric Tray PCR-O-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Cream Gravy w/Ground Beef, Polymeric Tray	PCR-C-040	20 Jun 00
Omelet w/Smoked Sausage, Polymeric Tray PCR-0-006 12 Apr 00 Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Beef Stew, Polymeric Tray	PCR-B-024	24 May 00
Chicken Breast in Gravy, Polymeric Tray PCR-C-032 29 Nov 99	Mashed Potatoes w/Gravy, Polymeric Tray	PCR-M-007	12 Apr 00
	Omelet w/Smoked Sausage, Polymeric Tray	PCR-0-006	12 Apr 00
Hash, Corned Beef, Polymeric Tray PCR-H-005 29 Nov 99	Chicken Breast in Gravy, Polymeric Tray	PCR-C-032	29 Nov 99
	Hash, Corned Beef, Polymeric Tray	PCR-H-005	29 Nov 99

3. Natick requests DSCP implement the following change as indicated for the listed documents above. Items that have been deleted from the menus are not included. It is best to modify the contracts in order to get this time change in prior to the next printing of the rollstock film for the lid material.

Sec D, D-2,B Polymeric tray lid: In "TO HEAT IN WATER" after "Simmer gently", delete "40-45" and insert "35-40".

4. The attached document files include the lower heating times and are applicable for pending and future procurements until the document is formally revised or amended.

16 Attachments DONALD A. HAMLIN

Team Leader

Food Engineering Services Team Combat Feeding Directorate

R Valvano

CF: NSC: Acheson Alashian

Alashia: Friel

Hamlin CF: DSCP & SVCs:

Harrington Beward Henry
Konrady A. Bankoff Malason

Richards Swantak Trottier Valvano Byrd Charette Dyduck Ferrante

Miller Salerno